BRUHATH BANGALORE MAHANAGARA PALIKE

Name of the Agency	:	**Mr. K. Shivakumar** , Contractor, Bangalore.
Name of the Work	:	Providing and laying HDPE Water line In Mutyala Nagar Block-4 in J.P Park, Ward No. 17, BBMP, Bangalore.
Estimate Cost	:	Rs.

QUALITY CONTROL REPORTS TO

Asst. Executive Engineer,
Yeshwanthpura Sub Division,
BBMP, Bangalore.

CIVIL-TECH CONSULTANTS & ENGINEERS

Building & Highway Material Testing Laboratory
NABL ACCREDITED LABORATOTY AS PER ISO / IEC – 17025:2005
No.23/14, 7th Cross, 3rd Stage, 4th Block, Shakthi Ganapathi Nagara,
Basaveshwaranagar, Bangalore – 560 079.

QUALITY CONTROL REPORTS FOR

WET MIX MACADAM(WMM)

CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

An ISO 9001:2008 Certified Company

NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/WNo.17/SKK/WMM/Gradation/2014-15

16.04.2016

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.

Agency : **Mr. Shivakumar K,** Contractor, Bangalore.

Name of Work : Providing and laying HDPE Water line In Mutyala Nagar Block-4 in J.P Park, Ward No. 17, BBMP, Bangalore.

Reference : EE/RRND/Wo. No./232/2013-14 Dated: 07.02.2014

Date of Testing : 16.04.2014

Material : WMM

Sample Location : WMM Mix Plant

Oven Dry Wt (gm): **27320**

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	966	966	3.5	96.5	95-100
22.4	7124	8090	29.6	70.4	60-80
11.2	5143	13233	48.4	51.6	40-60
4.75	4026	17259	63.2	36.8	25-40
2.36	3649	20908	76.5	23.5	15-30
0.600	2313	23221	85.0	15.0	8-22
0.075	2574	25795	94.4	5.6	0-8

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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4th Block, Shakthiganapathinagara,
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Bangalore-560079.

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16.04.2016

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.

Agency : **Mr. Shivakumar K,** Contractor, Bangalore.

Name of Work : Providing and laying HDPE Water line In Mutyala Nagar Block-4 in J.P Park, Ward No. 17, BBMP, Bangalore.

Reference : EE/RRND/Wo. No./232/2013-14 Dated: 07.02.2014

Date of Testing : 16.04.2014

Material : WMM

Sample Location : WMM Mix Plant

Oven Dry Wt (gm): 25869

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	784	784	3.0	97.0	95-100
22.4	7127	7911	30.6	69.4	60-80
11.2	5149	13060	50.5	49.5	40-60
4.75	2690	15750	60.9	39.1	25-40
2.36	3643	19393	75.0	25.0	15-30
0.600	2379	21772	84.2	15.8	8-22
0.075	2572	24344	94.1	5.9	0-8

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16.04.2016

GRADATION FOR WMM
MORTH TABLE-400-11

Client : **Asst. Executive Engineer,** Yeshwanthapura Sub Division, BBMP, Bangalore.

Agency : **Mr. Shivakumar K,** Contractor, Bangalore.

Name of Work : Providing and laying HDPE Water line In Mutyala Nagar Block-4 in J.P Park, Ward No. 17, BBMP, Bangalore.

Reference : EE/RRND/Wo. No./232/2013-14 Dated: 07.02.2014

Date of Testing : 16.04.2014

Material : WMM

Sample Location : WMM Mix Plant

Oven Dry Wt (gm): 27846

Is Sieve Size in mm	Weight Retained (gm)	Cumulative Weight Retained (gm)	Cumulative % of Retained	Cumulative % of Passing	Spec.Limits
53	0	0	0	100	100
45	978	978	3.5	96.5	95-100
22.4	7126	8104	29.1	70.9	60-80
11.2	5150	13254	47.6	52.4	40-60
4.75	4653	17907	64.3	35.7	25-40
2.36	3459	21366	76.7	23.3	15-30
0.600	2379	23745	85.3	14.7	8-22
0.075	2576	26321	94.5	5.5	0-8

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